

**2/9/1**DIALOG(R) File 347:JAPIO  
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DEVICE FOR PRODUCTION OF AIR CUSHION

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**ABSTRACT**

**PURPOSE:** To provide a device which can accurately inject and seal air into film tube, regardless of the thickness of the film tube material, and can continuously produce the air cushions containing a constant amount of air.

**CONSTITUTION:** A guide rod 8 is provided with a separation roll 6 for separating the front and rear surfaces of a film tube 4 at its upper end and has its lower end set in the film tube 4 facing toward a heat sealing process part and the separation roll 6 of the guide rod 8 is supported from outside the film tube. A flap plate 7 is provided to vertically move the separation roll 6 together with the guide rod 8 by its opening and closing action and the lower end of the guide rod is positioned immediately above an air injection needle 26 by the opening and closing action of the flap plate when the air is injected. On the other hand, at the time of heat sealing, the lower end of the guide rod 8 is positioned sufficiently above an upper heater 15.